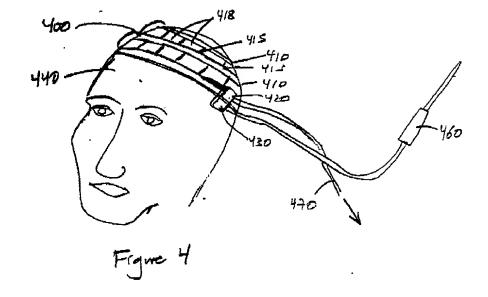
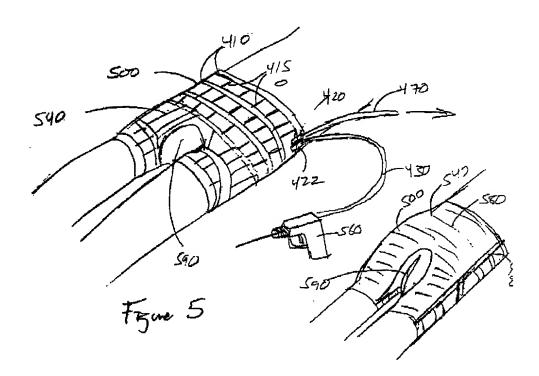
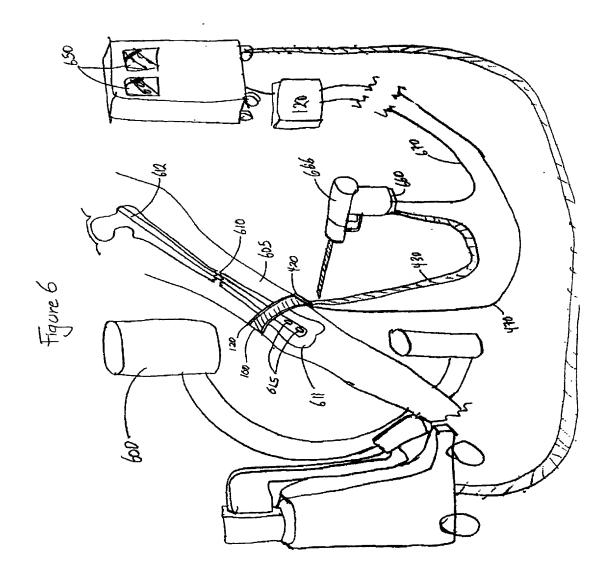


A676)







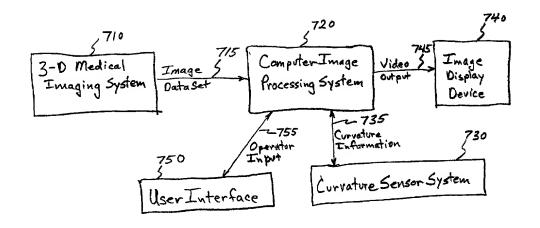


Fig. 7

## Image Processing (1) Obtain 3-D internal image containing patient, attachment fixture, and fiducials 800 Process image to locate attachment fixture in garment and calculate its position and orientation in image 6-degree of freedom (6-DOF) 805 Mark fixture in image Garment Type 820 825 Process image to detect and accurately locate fiducial points using one or more of the following properties: 1) Unique shape of fiducial 2) Unique opacity distribution of each fiducial 3) Physical (geometric) constraints on location of fiducials relative to attachment fixture 4) Other identifiable fiducial property Obtain position data of garment shape-tape(s) from interface electronics 830 Knowing physical position of fiducials relative to shape-tape(s), calculate the position of fiducials relative to the attachment fixture.

Figure 8A

Mark position of fiducials in image.

835

## Image Processing (2)

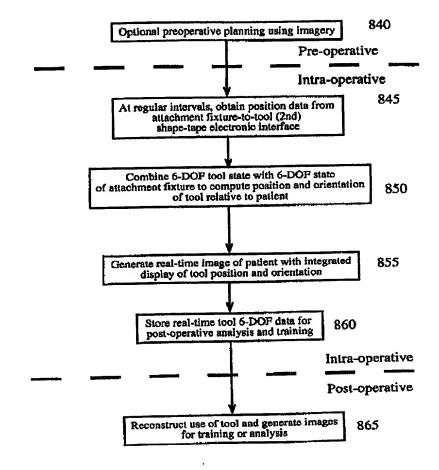


Figure 8B